

Photo: BARiT

BARiT INDUSTRY-TERRAZZO | Industrial Floors

Klosterbrauerei Andechs, Andechs



Photo: BARiT

Porsche Zentrum, Mannheim

DEFINITION AND PURPOSE

In industrial buildings, floor coatings have to endure utmost mechanical loads. For this purpose, INDUSTRY TERRAZZO consists of aluminium oxide abrasive, high-quality water-white epoxy resin and granulates coated colour-fast with polyurethane resin packed mechanically in a layer of 8 — 10 mm thickness.

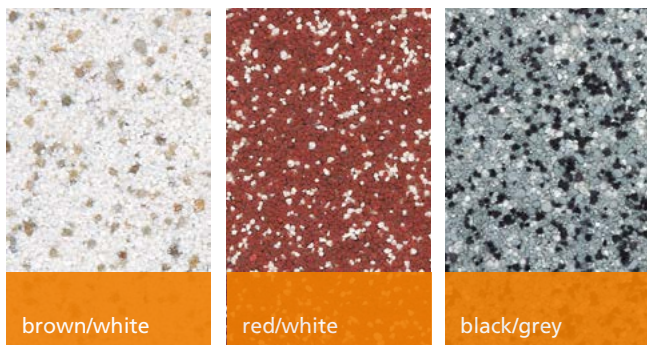
Quick Info

- jointless
- silent and vibration-free travelling
- non-porous
- aesthetic
- antiskid to BGR 181 R9
- resisting la chemical and mechanical loads
- almost no abrasion
- easy cleaning and disinfection



Photo: BARiT

Hagesüd Interspace Gewürzwerke GmbH + Co., Hemmingen



brown/white

red/white

black/grey

APPEARANCE

The timeless look of the INDUSTRY-TERRAZOS is determined by the quality of the granules. An installation in black / gray is not only aesthetically pleasing, but also insensitive to dirt.

FEATURES

The INDUSTRY-TERRAZO consists of fused aluminum oxide, high-quality water-clear epoxy resin, and polyurethane coated colorfast granules, which is installed in a layer of 8 – 10 mm thick. An affordable option is the mechanical installation using natural or colored sands.

INDUSTRY-TERRAZO provides for good chemical resistance. It is resistant against a variety of alkalis, diluted acids, salt solutions, mineral oils, as well as lubricants and fuels.

The structure of the INDUSTRIAL Terrazzos ensures high resistance to wear. With direct bonding to the underlying surface, it withstands both static and dynamic loading and unloading and maintains, even with forklift traffic, a low abrasion.

In addition, due to the seamless surface, transport equipment can move more silently and vibration-free. A matte finish allows for non-slipping movement. For safety, INDUSTRY-TERRAZO can be installed according to different non-slipping classes according to BGR 181 from levels R 9 to R 12.

The seamless surface of INDUSTRY-TERRAZO allows for easy cleaning. For this purpose we offer BARiT Cleaner, which is specifically designed with its degreasing action to clean and care for our products.

The durability of the coating is based on the structure of the entire subflooring. To install INDUSTRY-TERRAZO correctly, BARiT's services include the installation of the subflooring as well as the drainage system.

TYPE	INDUSTRY-TERRAZZO
Binding agent	EP-resin
Fillers	Granulates
Solid matters	100 %
Flash point	> 100 °C
Consumption/m ²	2 kg/mm
Grain	BARiT card of grains
Grade of gloss	silk gloss or mat
Fire behaviour DIN EN 13501-1	Bfl-s1, hardly inflammable
Bending tensile strength DIN 1164**	> 10 N/mm ²
Compression strength DIN 1164**	> 40 N/mm ²
Adhesive pull strength DIN EN 24624	> 2 N/mm ²
Light-fastness	conditionally resisting to UV
VOC Emission	Meets the requirements of AgBB
Anti-slip Class DIN 51 130	R9, R11, R12
Barefoot Suitability DIN 51097	B and C
Temperature resistance	100 °C temporarily -30 °C to +70 °C consistently
Chemical resistance	to resistance list and self test
Working under conditions of:	
air humidity	40 - 85%
residual moisture of the ground	< 3 %
ground temperature min.	18 °C
ground temperature max.	22 °C
Curing time at 20°C:	
not sticky	after 12 hours
walking admissible	after 16 hours
final hardness	after 7 days
Mechanical stability	after 7 days fully capable of bearing
Cleaning	BARiT Cleaner*

** with prism method - according to AGI Worksheet A 81 and BEB worksheets KH 5
* according to cleaning and care instructions



Interrupting Element with a small triangular base/plinth



Photo: BARiT

BARiT ANTISKID | Industrial Floors

Vector Informatik, Stuttgart-Weilimdorf



Photo: BARiT

Möbel Rieger, Esslingen

DEFINITION AND PURPOSE

For prevention of accidents in areas outside the kitchen; BARiT has developed the ANTI-SKID coating which consists of solvent-free epoxy resin and polyurethane resin serving as a protective coating. ANTISKID is packed with mineral fillers, inorganic pigments and integrated in aluminium oxide abrasive.

Quick Info

- jointless
- skid impending to BGR 1/1 R11/R12
- mechanical stability
- stability under chemical loads
- almost no abrasion
- resistent to compression and strong to impacts
- easy cleaning



TYPE	ANTISKID
Binding agent	2-K-EP-resin
Fillers	aluminum oxide abrasive, inorganic/inert
Solid matters	99 %
Flash point	> 100 °C
Consumption/m ²	2 kg/mm
Colour shade	anthracite or coloured layer to BARiT card of colours
Grade of gloss	silk gloss or mat
Bending tensile strength DIN 1164**	> 10 N/mm ²
Compression strength DIN 1164**	> 40 N/mm ²
Adhesive pull strength DIN EN 24624	> 1,0 N/mm ²
Light-fastness	conditionally resisting to UV
Temperature resistance	-30 °C to +70 °C
Chemical resistance	to resistance list and self test
Working under conditions of:	
air humidity	40 - 85%
residual moisture of the ground	< 3 %
ground temperature min.	15 °C
ground temperature max.	25 °C
Curing time at 20°C:	
not sticky	after 12 hours
walking admissible	after 16 hours
final hardness	after 7 days
Mechanical stability	after 7 days fully capable of bearing
Cleaning	BARiT Cleaner*

** with prism method - according to AGI Worksheet A 80 and BEB worksheets KH 4

* according to cleaning and care instructions

APPEARANCE

ANTISKID can be installed with a matte or satin gloss surface based on the color chart. However, a coating must not always be neutral and sober. Markers may be useful as indicators for escape routes or restricted zones. Specialized colors are available for areas over 500 m² on request.

FEATURES

BARiT COATING - Type: ANTISKID, is a two-component system based on a solvent-free epoxy and polyurethane-based resin for the outer layer, enriched with mineral fillers, inorganic pigments and integrates fused aluminum oxide.

Due to the slip resistance factor of R 11 / R 12 as according to the accident prevention regulations of BGR 181, BARiT-ANTISKID ensures a non-slip working space in outdoor areas.

The synthesis of both a professional laying technique and the structure of the coating provides a surface with low abrasion, which is equipped with good mechanical and chemical resistance. This coating is resistant to a variety of alkalis, diluted acids, salt solutions, mineral oils, as well as lubricants and fuels. The coating layer's installed thickness is 1.5 - 2.5 mm. For outdoor use the temperature limits for BARiT ANTISKID range from - 30 °C and + 70 °C. It corresponds to OS 8 of the German Committee for Reinforced Concrete (DafStb) Regulations for the „Protection and repair of concrete structures.“



Pavement Markers



Photo: BARIT

BARiT POWER | Industrial Floors

Wagner und Finckh GmbH, Bespannungen für Papiermaschinen, Reutlingen



Photo: BARIT

Wagner und Finckh GmbH, Reutlingen

DEFINITION AND PURPOSE

The POWER coating having been developed to assure stability under mechanical and chemical loads consists of a two-components system based on solvent-free epoxy resin packed with mineral fillers and inorganic pigments. The mechanical stability of this coating gets increased by addition of Quarzit. The POWER coating resisting particularly well to compression.

Quick Info

- jointless
- antiskid BGR 181 R9
- mechanical resistance
- chemical resistance
- almost no abrasion
- Fire classification Cfl-s 1
- low emissions according to AGBB
- easy cleaning and disinfection



APPEARANCE

BARiT RESIN-COATING - Type: POWER, can be installed with a matte or satin finish based on the BARiT color chart. However, industrial flooring does not have to always look neutral and sober.

Markers may be useful as indicators for escape routes or restricted zones. Specialized colors are available for areas over 500 m² on request.

FEATURES

Die BARiT-RESIN-COATING, Type: POWER, is a two-component epoxy system. The base is made up of solvent and plasticizer free epoxy resin, enriched with mineral fillers and inorganic pigments.

The structure of the flooring and a proper laying technique ensure a surface with low abrasion, which is equipped with good mechanical and chemical resistance. Likewise, POWER Industrial Flooring systems are resistant to a variety of alkalis, diluted acids, salt solutions, mineral oils, as well as lubricants and fuels.

The flooring's thickness of 2 – 3 mm gives POWER-COATING a strong mechanical stability. POWER COATING can be installed with a thickness of 1.5 mm and is therefore low-cost industrial flooring.

For temperature exposure, this flooring can handle 120 °C temporarily, 40 °C consistently.

TYPE	POWER
Binding agent	2-K-EP-resin
Fillers	inorganic / inert
Solid matters	100 %
Flash point	> 100 °C
Consumption/m ²	1,6 kg/mm
Colour shade	BARiT card of colours
Grade of gloss	gloss or mat with finish
Fire behaviour DIN EN 13501-1	Cfl-s1, hardly inflammable
Bending tensile strength DIN 1164**	> 10, N/mm ²
Compression strength DIN 1164**	> 40, N/mm ²
Adhesive pull strength DIN EN 24624	≥ 1,0 N/mm ²
Light-fastness	with finish conditionally resisting to UV
VOC Emission	Meets the requirements of AgBB
Anti-slip Class DIN 51130	R9, R11, R12
Temperature resistance	120 °C temporarily 40 °C consistently
Chemical resistance	to resistance list and self test
Working under conditions of:	
air humidity	40 - 85%
residual moisture of the ground	< 3 %
ground temperature min.	18 °C
ground temperature max.	25 °C
Curing time at 20°C:	
not sticky	after 8-10 hours
walking admissible	after 24 hours
final hardness	after 7 days
Mechanical stability	after 7 days
Cleaning	BARiT Cleaner*

** with prism method - according to AGI Worksheet A 81 and BEB worksheets KH 5

* according to cleaning and care instructions



Channeling with Wall Connection



Photo: BA

BARiT HRL-COATING | Industrial Floors

Marburger Tapetenfabrik GmbH + Co. KG,
Kirchhain



Photo: BARiT

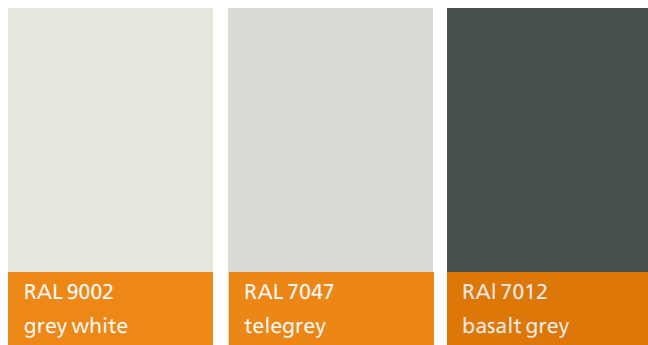
Sigloch Buchbinderei GmbH + Co. KG, Künzelsau

DEFINITION AND PURPOSE

High storage shelves require floor coatings of utmost plane levels. BARiT COATING type HRL consists of a self-levelling 2-components system based on solvent-free epoxy resin packed with mineral fillers and inorganic pigments.

Quick Info

- jointless
- most levelness precision
- antiskid of mat surface to BGR 181 R9
- mechanical / chemical resistance
- almost no abrasion
- resisting to compression and strong to impacts
- Fire classification Cfl-s
- easy cleaning



APPEARANCE

BARiT RESIN-COATING - Type: HRL, can be installed in a glossy or matte finish based on the BARiT color chart.

However, industrial flooring does not have to always look neutral and sober. Pavement markers may be useful as indicators for escape routes, restricted and/or loading zones.

Specialized colors are available for areas over 500 m² on request.

FEATURES

BARiT RESIN-COATING - Type: HRL, is a two-component epoxy system based on a solvent and plasticizer free epoxy resin, enriched with mineral fillers and inorganic pigments. With self-leveling materials, surfaces with exacting accuracy can be installed in accordance with DIN 15185. The leveled flatness can be measured from 0.5 mm to 1 mm over a coverage distance of 1 m.

The structure of HRL industrial flooring and a proper laying technique ensure a coating with low abrasion, which is equipped with good mechanical and chemical resistance. Likewise, HRL industrial flooring is resistant to a variety of alkalis, diluted acids, salt solutions, mineral oils, as well as lubricants and fuels. The flooring's thickness of 2 – 4 mm gives HRL-BELAG a strong mechanical stability.

For temperature exposure, this flooring can handle 120 °C temporarily, 40 °C consistently.

TYPE	HRL-COATING
Binding agent	2-K-EP-resin
Fillers	inorganic/inert
Solid matters	100 %
Flash point	> 55 °C
Consumption/m ²	ca. 1,4 kg/mm
Colour shade	BARiT card of colours
Grade of gloss	glossy or mat
Bending tensile strength DIN 1164**	> 10 N/mm ²
Compression strength DIN 1164**	> 40 N/mm ²
Adhesive pull strength DIN EN 24624	> 1,0 N/mm ²
Light-fastness	with finish conditionally resisting to UV
Temperature resistance	70 °C consistently
Chemical resistance	to resistance list and self test
Working under conditions of:	
air humidity	40 - 65 %
residual moisture of the ground	< 3 %
ground temperature min.	18 °C
ground temperature max.	25 °C
Curing time at 20°C:	
not sticky	after 16 hours
walking admissible	after 2 days
final hardness	after 7 days
Mechanical stability	after 7 days
Cleaning	BARiT Cleaner*

** with prism method - according to AGI Worksheet A 80 and BEB worksheets KH 3/KH 4

* according to cleaning and care instructions



Wall Connection with Channeling



Photo: mtp Architekten, Frankfurt

BARiT ATEX-COATING, electrically conductive | Industrial Floors Deutsches Kunststoffinstitut
TU-Darmstadt



Photo: mtp Architekten, Frankfurt

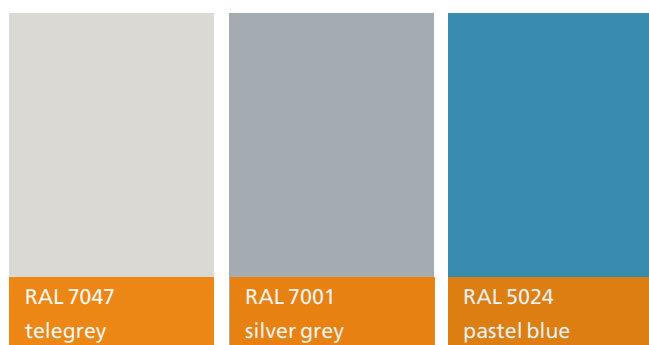
Deutsches Kunststoffinstitut, Darmstadt

DEFINITION AND PURPOSE

The conductive BARiT-ATEX-COATING consist of two-components systems based on solvent-free epoxy and/or polyurethane resins packed with mineral fillers and inorganic pigments. Layers of 1.5 to 2 mm are to be applied.

Quick Info

- conductiv to DIN EN 1081 between $10^4 \Omega$ and $10^6 \Omega$
- jointless
- in mat surface antiskid to BGR 181 R9
- mechanical stability
- chemical resistance
- decontaminatable
- almost no abrasion
- easy cleaning and disinfection



APPEARANCE

The electrically conductive BARiT-COATING - Type: ATEX POWER and Type: ATEX-ELASTIC can be installed with a matte or gloss finish according to the BARiT color chart. Specialized colors are available for areas over 500 m² on request.

FEATURES

BARiT COATING - Type: ATEX-POWER, is a two-component system based on a solvent-free epoxy resin, enriched with mineral fillers and inorganic pigments. Measured according to DIN EN 1081, the discharge resistance lies between 10⁴ Ω and 10⁶ Ω.

BARiT COATING - Type: ATEX-ELASTIC, is a flexible two-component system based on a solvent-free polyurethane resin, enriched with mineral fillers and inorganic pigments. Measured according to DIN EN 1081, the discharge resistance lies between 10⁴ Ω and 10⁶ Ω.

BARiT-ATEX-COATING - Type: ATEX POWER and Type: ATEX-ELASTIC are resistant to a variety of alkalis, diluted acids, salt solutions, mineral oils, as well as lubricants and fuels. The flooring's installed thickness is 1.5 - 2.5 mm. A matte finish allows for non-slipping movement.

The seamless surface ensures hygienic protection as well as a sterile environment and allows for easy cleaning. For this purpose we offer BARiT Cleaner, which is specifically designed to clean and care for our products..

TYPE	ATEX-COATING POWER/ELASTIC
Binding agent	2-K-EP-resin / 2-K-PUR-resin
Fillers	inorganic/inert
Solid matters	99 %
Flash point	> 110 °C / > 100 °C
Consumption/m ²	ca. 2,1 kg/mm / ca. 2,1 kg/mm
Colour shade	BARiT card of colours
Grade of gloss	gloss or mat with finish
Fire behaviour DIN EN 13501-1	Bfl-s1, hardly inflammable
Bending tensile strength DIN 1164**	> 10 N/mm ²
Compression strength DIN 1164**	> 40 N/mm ²
Erdbleitwiderstand DIN EN 1081	10 ⁴ – 10 ⁶ Ω / 10 ⁴ – 10 ⁶ Ω
Adhesive pull strength DIN EN 24624	> 1,0 N/mm ²
Light-fastness	conditionally resisting to UV
Temperature resistance	-20 °C to +70 °C
Chemical resistance	to resistance list and self test
Working under conditions of:	
air humidity	< 75 % / < 80 %
residual moisture of the ground	< 3 %
ground temperature min.	15 °C
ground temperature max.	22 °C
Curing time at 20°C:	
not sticky	after 6 hours
walking admissible	after 16 hours
final hardness	after 7 days
Mechanical stability	after 7 days
Cleaning	BARiT Cleaner*

** with prism method - according to AGI Worksheet A 80 and BEB worksheets KH

* according to cleaning and care instructions



laboratory corridor DKI, Darmstadt

Photo: mtp Architekten, Frankfurt



Photo: BARIT

BARiT ELASTIC B65 | Industrial Floors

Electolytic Company



Photo: BARIT

Schwäbische Zellstoff AG, Ehingen

DEFINITION AND PURPOSE

The elastifying BARiT COATING type ELASTIC B65 consists of a two-components system based on solvent-free polyurethane resin packed with mineral fillers and inorganic pigments. ELASTIC B65 is to be applied in layers of 2-3 mm thickness.

Quick Info

- bridging over cracks
- jointless
- antiskid with mat surface to BGR 181 R9
- mechanical and chemical resistance
- almost no abrasion
- Fire classification Cfl-s 1
- low emissions according to AGBB
- easy cleaning and disinfection



TYPE	ELASTIC B 65
Binding agent	2-K-PUR-resin
Flash point	> 100 °C
Consumption/m ²	1,4 kg/mm
Colour shade	BARiT card of colours
Grade of gloss	gloss/silk gloss/mat
Fire behaviour DIN EN 13501-1	Cfl-s1, hardly inflammable
Bending tensile strength DIN 1164**	elastic
Compression strength DIN 1164**	elastic
Adhesive pull strength DIN EN 24624	> 1,0 N/mm ²
Light-fastness	with finish conditionally resisting to UV
DGNB / LEED	product declaration 7,5 Punkt
VOC Emission	Meets the requirements of AgBB
Anti-slip Class DIN 51130	R9, R11, R12
Temperature resistance	120 °C temporarily 40 °C consistently
Chemical resistance	to resistance list and self test
Working under conditions of:	
air humidity	40 - 65% < 80 %
residual moisture of the ground	< 3 %
ground temperature min.	18 °C
ground temperature max.	22 °C
Curing time at 20°C:	
not sticky	after 8-10 hours / 16 hours
walking admissible	after 16-24 hours / 24 hours
final hardness	after 7 days
Mechanical stability	after 7 days
Adhesion strength on concrete	> 2 N/mm ² (fracture on concrete)
crack bridging according to DIN EN 1062-7 with approx. 1.5 mm thickness	test temperature: + 23 °C 1,0 mm
ultimate tensile strength according to DIN EN ISO 527	test temperature: + 23 °C
Tension	6.0 MPa
Elongation	69,2 %
Test Temperature	+23 °C

APPEARANCE

BARiT-ELASTIC B 65 can be installed with a matte or satin finish based on a selection from the BARiT color chart.

Industrial flooring does not have to always look neutral and sober. Pavement markers may be useful as indicators for escape routes, restricted and/or loading zones.

Specialized colors are available for areas over 500 m² on request.

FEATURES

Der BARiT ELASTIC B 65 is a two-component system based on a solvent and plasticizer free, polyurethane resin, enriched with mineral fillers and inorganic pigments. Due to its elasticity, cracks with a width up to 1.0 mm can be bridged in a subflooring made of concrete or other material.

The synthesis of professional laying technology and quality materials ensures a coating with low abrasion, which is equipped with good mechanical and chemical resistance. The ELASTIC B 65 is resistant to a variety of alkalis, diluted acids, salt solutions, mineral oils, as well as lubricants and fuels.

This flooring's installed thickness is 1.5 – 2.5 mm. For temperature exposure, this flooring can handle 120 °C temporarily, 40 °C consistently.

By installing a special rubber layer, ELASTIC B65 can be turned into a SOFT-SOUND Flooring. To reduce the noise level during production and to reduce the strain and tiredness of standing in assembly activities, ELASTIC B 65 SOFT-SOUND offers exceptional ergonomic advantages. Both the smooth as well as the non-slipping surfaces are easy to clean and disinfect.



Wall Connection with Channeling

** with prism method - according to AGI Worksheet A 81 and BEB worksheets KH 5
* according to cleaning and care instructions





Photo: BARiT

BARiT SEALINGS/ IMPREGNATIONS
TYPE: EXW/D1-55/PW11 | Industrial Floors

Möbel Rieger, Esslingen



DEFINITION AND PURPOSE

BART IMPREGNATIONS are used to consolidate mineral grounds such as concrete floors or screeds. Or to close the pores thereof. Impregnation contributes to higher resistance and elimination of dust due to abrasion.

Quick Info

- jointless
- dust Binding
- mechanical and chemical stability
- easy cleaning
- colorless or pigmented

Salutas Pharma GmbH, Barleben

Photo: BARiT

BARiT SEALINGS/ IMPREGNATIONS

TYPE: EXW D1-55 PW11 | Industrial Floors

APPEARANCE

BARiT SEALINGS can be applied transparently or pigmented, in satin or matte, depending on the system used for application. Different degrees of gloss are also possible: Matte, satin, glossy. The BARiT SEALING EXW can also be used as a waterproofing layer.

FEATURES

Type: EXW

BARiT SEALING - Type: EXW, is a transparent or pigmented, two-component system based on a water-dilutable, epoxy resin. For this reason waterproofing emits very low odor, and is neither flammable nor explosive.

Type: D1-55

BARiT SEALING - Type: D1-55, is a transparent, high-gloss, two-component system based on polyurethane resin, which is characterized by good light resistance as well as chemical resistance.

Type: PW11

BARiT SEALING - Type: PW11, is a transparent or pigmented, matte, two-component system based on polyurethane resin, which is characterized by good light resistance as well as chemical resistance.

BARiT Sealants are water, oil and petrol resistant, as well as resistant to a variety of alkalis, diluted acids and salt solutions. For high temperature exposure, BARiT Sealants can handle temperatures between 95 °C and 150 °C temporarily.

TYPE	EXW	D1 - 55	PW11
Binding agent	2-K-EP-resin emulsified water	2-K-PUR-resin in organ. solvents	2-K-PUR-resin dispersed water
Consumption/m ²	100-150 g/process	70-100 g/process	70-100 g/process
Colour shade	colorless/ pigmented	colorless	colorless/ pigmented
Grade of gloss	silk gloss	high gloss	mat / silk mat
Bending tensile strength DIN 1164**	-	-	-
Compression strength DIN 1164**	-	-	-
Adhesive pull strength DIN EN 24624	> 1,0 N/mm ²	> 1,0 N/mm ²	> 1,0 N/mm ²
Temperature resistance	not UV resistant 95 °C temporarily 70 °C consistently	150 °C temporarily 120 °C consistently	150 °C temporarily 120 °C consistently
Chemical resistance	to resistance list and self test	to resistance list and self test	to resistance list and self test
Working under conditions of:			
air humidity	40 - 85 %	40 - 65 %	40 - 65 %
residual moisture of the ground	4 - 10 %	4 %	4 %
ground temperature min.	10 °C	10 °C	10 °C
ground temperature max.	22 °C	22 °C	22 °C
Curing time at 20°C:			
not sticky	after 4 hours	after 5 hours	after 5 hours
walking admissible	after 16 hours	after 8 hours	after 8 hours
final hardness	after 7 days	after 4 days	after 4 days
Mechanical stability	after 7 days	after 24 hours	after 24 hours
Cleaning	BARiT Cleaner*	BARiT Cleaner*	BARiT Cleaner*

** with prism method - according to AGI Worksheet A 80 and BEB worksheets KH 2

* according to cleaning and care instructions



This does not apply to D1-55 and DW11